

Application No.: 09/708,965

Docket No.: 60680-1378

COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

1 - 5 (Canceled)

6. (Currently Amended) A process for sealing and insulating a fuel cell plate, the process comprising:

providing a gas impermeable fuel cell plate having first and second surfaces;

applying a coating precursor on at least the first surface of the fuel cell plate, the coating precursor adapted to polymerize or to cross-link in response to infrared radiation; and

exposing the coating precursor on the fuel cell plate to infrared radiation or to heat to initiate polymerization or cross-linking, wherein the coating precursor includes an epoxy resin, a thermoplastic and an acrylonitrile butadiene copolymer.

7. (Original) The process of claim 6, wherein the coating precursor includes a cross-linking agent.

8. (Original) The process of claim 7, wherein the cross-linking agent is a polyamine.

9. (Canceled)

10. (Currently Amended) The process of claim ~~9~~ 6, wherein the thermoplastic is polyvinylchloride resin.

11. (Original) The process of claim 6, wherein the coating precursor includes a solvent.

12. (Original) The process of claim 6, wherein the coating precursor includes a colorant.

13. (Original) The process of claim 6, wherein the coating precursor includes an air-release agent.

Application No.: 09/708,965

Docket No.: 60680-1378

14. (Original) The process of claim 6, wherein the coating precursor includes slip agent.

15 - 17 (Canceled)

18. (Allowed) An insulated fuel cell plate comprising:
a plate having first and second surfaces; and
a coating precursor applied on at least one of the first and second surfaces of the plate, the coating precursor comprising:
an epoxy resin;
an acrylonitrile butadiene copolymer;
a thermoplastic film-former;
a polyamine cross-linking agent; and
a solvent.

19. (Allowed) The insulated fuel cell plate of claim 18, wherein the thermoplastic film-former is a polyvinylchloride resin.

20. (Allowed) The insulated fuel cell plate of claim 18, wherein the coating precursor includes a colorant.

21. (Allowed) The insulated fuel cell plate of claim 18, wherein the coating precursor includes an air-release agent.

22. (Allowed) The insulated fuel cell plate of claim 21, wherein the air-release agent is a polydimethylsiloxane.

23. (Allowed) The insulated fuel cell plate of claim 18, wherein the coating precursor includes a slip-aid.

24. (Allowed) The insulated fuel cell plate of claim 23, wherein the slip-aid is a polytetrafluoroethylene powder.